

July Members' Meetings

Dates & Times

Matinee, 2:30 p.m., Wednesday, July 11
Evenings, 8:00 p.m., Wednesday and
Thursday, July 11 and 12, 1984

Place

Morrison Auditorium

Subject

(By Special Request from the Members)

First Contact, the film

In the 1930's one million people were found to be living in the center of Papua New Guinea. Their existence had not even been suspected by the outside world. Inhabiting a string of cool and beautiful valleys, they had been cut off completely from the rest of colonial New Guinea. The first Europeans to enter this hidden world were Australian gold prospectors, Michael Leahy and his brothers. This prospecting family had one odd piece of equipment with them, a movie camera, and they captured on film an event that will never occur again — the confrontation of one civilization with the explorers of another. These extraordinary reels of film form the basis of "First Contact," directed by Bob Connelly and Robin Anderson.

"First Contact" won first prize in the Sociology category at the San Francisco Film Festival, and second place at the American Documentary Film Festival in New York, May, 1983. Most recently the film was nominated for an Academy Award as Best Documentary for 1983.

As usual, your membership card admits you through the main entrance at Cowell Hall and through the rear entrance at Wattis Hall for the matinee program. Please be prepared to show your card once again at the auditorium door for this special repeat showing of "First Contact."

Sneak Preview: Dr. Sam McGinnis will speak on **The Predator-Prey Olympics: The Prize Is Survival** at the August 8 and 9 members' meetings.

Special Exhibits

America's Olympic hopefuls are the stars of a new exhibition opening July 17, entitled **Shooting for the Gold**. See through the lens of Sports Illustrated photographer, Walter Iooss, Jr. (pronounced Yose) the spirit and determination of U.S. athletes as they train and compete for a spot on the 1984 team spring to life in over 80 full-color photographs. **Shooting for the Gold** is sponsored by Fuji Photo Film U.S.A. and will continue in the Peterson-McBean Galleries through September 30.

Walking through the exhibition **Amber**, is like a stroll along the shores of the Baltic Sea. You peer into the window of a traditional Polish house to see a woman at work on a spinning wheel; not spinning wool, mind you, but faceting the precious material called amber.

Around the corner you look into other windows to see raw or beautifully worked pieces once called the "tears of birds." This wonderful subject is explored in many ways... geologically, biologically, historically and from an artistic viewpoint. (Be sure to look at the many items for sale at The Nature Company Museum Store made in amber.)



Winners of the **The Photography Contest for Young People** are now on display in Cowell Hall. This photo took Grand Prize overall and was taken by Gema Gonzales from Union City, California. It was selected, along with 24 other winners in various categories, from over 900 entries in this annual event sponsored by the California Academy of Sciences and KRON-TV.

Other exhibits include **Mexico As Seen By Her Children/Mexico Visto Por sus Ninos**, a bilingual exhibit of 60 colorful paintings and poems by Mexican children and **Andy Warhol: Endangered Species**. Both through the summer.

Morrison Planetarium

Sky Shows

The Water World, the daily sky show in the Morrison Planetarium looks at the most abundant element on our planet and compares it to other planets that are not so fortunate to have this life-giving elixir.

Showtimes through July 3:

Sunday July 1 at 11:00 a.m., 2:00 and 3:30 p.m.
Monday and Tuesday July 2 and 3 at 2:00 p.m.

July 4 through Labor Day:

Daily at 11:00 a.m., 2:00 and 3:30 p.m. and
Wednesday and Thursday evenings at 7:30.

Also, take time to see **Exploring the Skies of the Season**, an overview of the current night sky over San Francisco.

Showtimes through July 3:

Sunday at 12:30 p.m.

July 4 through Labor Day

Daily at 12:30 p.m.

Members are encouraged to use their planetarium passes for either of these attractions at the planetarium. Bring a guest, by all means!

Planetarium Concert Series

A Private View, the popular Bay Area group of electronic musicians, will present a concert on **Monday, July 16 at 8:00 p.m.** Fans who have enjoyed their music on local radio stations will find a new dimension added by the visual effects in the planetarium.

The very popular program, **An Evening With Emerald Web**, will be presented on **Monday, August 6 at 8:00 p.m.** This concert of flutes and electronic synthesizers returns to the Academy with artists Bob Stohl and Kat Eppler once again blending original music with special effects on the Planetarium's 60 foot dome.

Tickets for all planetarium concerts may be ordered by mail from Morrison Planetarium, California Academy of Sciences, Golden Gate Park, S.F. 94118. Cost to members is \$4, general public \$5. Tickets are also sold at the door before each show. Call 668-8054 for information.

Laserium

Two exciting laser light shows are presented in Morrison Planetarium; one show with the music

of **Pink Floyd**, the other featuring movie hits by **John Williams**.

Showtimes:

Sunday, July 1 at 5:00, 7:30 and 9:00 p.m.

July 4 through Labor Day:

Wednesday at 5:00 p.m.

Thursday at 5:00 and 9:00 p.m.

Friday and Saturday at 5:00, 7:30, 9:00 and 10:30 p.m.

Sunday at 5:00, 7:30 and 9:00 p.m.

Ticket prices: Regular \$4.50; Matinee (5:00 p.m. show) \$3.50; children 6-12 and seniors \$2.50.

Advance tickets are available through Ticketron or can be purchased one-half hour before showtime at the main entrance to the museum. For show titles and information call 221-0168.

Please Note: Planetarium passes are NOT usable for Laserium shows. Children under 5 are not admitted to Laserium.

Traditional Arts

Visit the museum on Saturday afternoons at 1 p.m. to interact with and enjoy the diversified ethnic groups of the Bay Area. Each week one of these groups will share its cultural heritage in a presentation of one of their traditional arts.

Program for July:

July 7 A medley of traditional Cajun tunes played by Danny Poullard (accordion), Will Spires (fiddle), and band.

July 14 Emmy Kuster, guest curator of the Academy's current "Amber" exhibit, will demonstrate ancient methods of working amber (cutting, shaping, grinding), and simple tests for authenticity.

July 21 John Allen will explain the component parts of the Highland bagpipes, including construction and tools used. He will also demonstrate the instrument.

July 28 Hiroe Sugiyama and friends recreate the highly-symbolic Japanese Tea Ceremony and will discuss the spiritual significance of this art form.

Please Note; *There will be no Traditional Arts presentation during the month of August. The program resumes September 22.*

The Traditional Arts Program is funded by the National Endowment for the Arts and the Rietz Food Technology Foundation.

Inside the Academy

Senior Curatorial Assistant of the Birds and Mammals Department, **Jacqueline Schonewald** is one of the recipients of the Sequoia Audubon Society's first annual environmental quality award. The awards were selected on the basis of contributions to the environmental quality of San Mateo County.

The Herpetology Glass Jar Collection and Sale

There are still a few of the antique glass specimen jars, purchased between 1906 and 1920, for sale in the Department of Herpetology. The jars are air-tight and range from approximately 6 oz. to 150 oz. with prices ranging from \$4.50 to \$30.00 (Details in the April Newsletter). For a price list and information please send a self-addressed envelope to: Jens Vindum, Collections Manager, Department of Herpetology, California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118.

Summer Hours: Beginning July 4 and continuing through September 3, the Academy will be open daily from 10:00 a.m. to 7:00 p.m.

Announcement to Members

Membership dues will be raised August 1, 1984. The new dues schedule is:

Individual	\$30
Family	\$35
Student	\$20
Senior	\$15
Senior Couple	\$10

Please call the Membership Office at 668-7379 if you have any questions.

Open House

Members and staff alike enjoyed our annual Open House in May this year. We had a record number of 3,700 guests (700 more than in 1983!) who had a special behind-the-scenes look at the whole museum.

Special Lectures



Skeletons in the Sand: Shipwreck Archaeology on America's Beaches

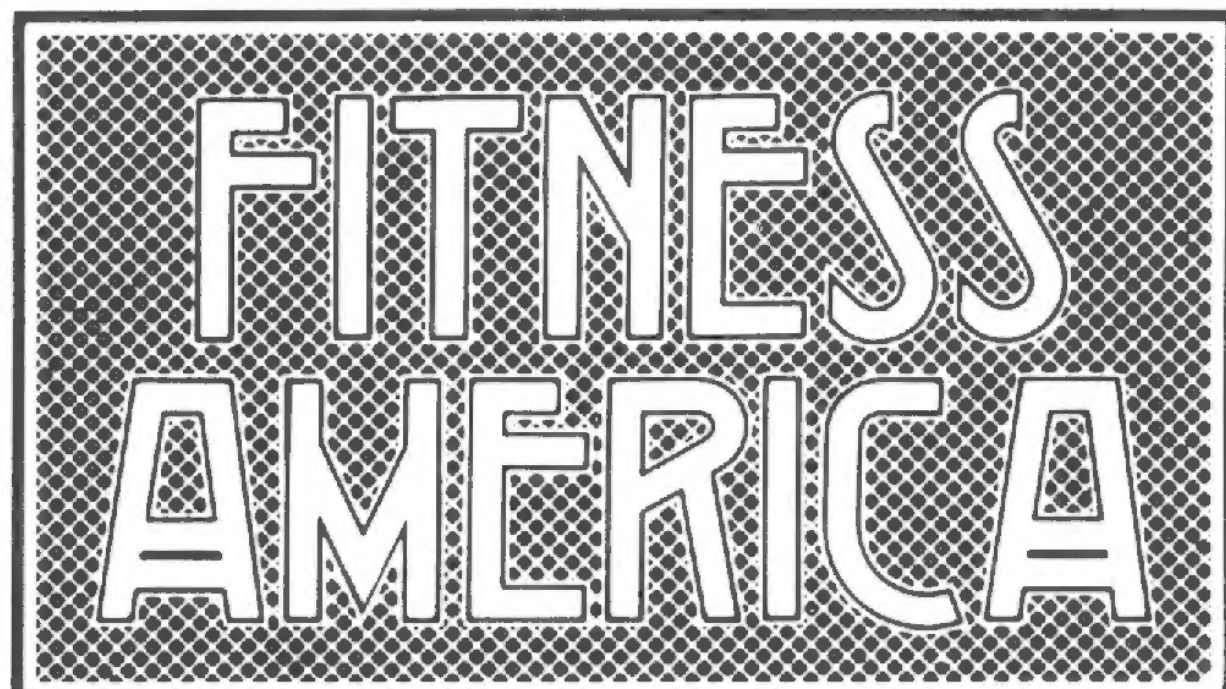
**Wednesday, July 25
8:00 p.m. Morrison Auditorium**

Most people, when they think of shipwreck archaeology, understandably think of drowned Roman galleys or Spanish galleons beneath the sea, but, in the past few years, Jim Delgado, Golden Gate National Recreation Area Historian, and colleagues have been refining a new aspect of maritime archaeology. Major portions, and sometimes entire vessels have been found on the beach, re-exposed after decades of burial, in good or excellent states of preservation.

In this slide/lecture Mr. Delgado will discuss how these vessels have been preserved and how they become exposed on our beaches, and will look at some of the sites of these wrecks from the *Sparrowhawk*, a 1626 pilgrim ship exposed two hundred years after it was lost on the shores of Cape Cod, to the *King Philip*, an 1856 clipper whose entire bottom half lies on Ocean Beach, San Francisco.

Jim Delgado will be familiar to many Academy members from classes with the Adult Education Department, and former lectures.

Admission to this special lecture is free.



In conjunction with the photo exhibit **Shooting For The Gold** which opens on July 17 and the San Francisco Marathon, a series of fitness programs will be offered at the Academy.

Evening Lectures

Monday, August 13 8:00 p.m.

"Indian Running"

Anthropologist and author, Peter Nabokov, will examine the running tradition among cultures in North and South America.

Tuesday, August 14 8:00 p.m.

"Use It or Lose It"

Dr. Walter Bortz will discuss the evolutionary processes which shaped modern man and his undeniable need for physical activity.

Thursday, August 16 8:00 p.m.

"The History of Sports and the Olympic Games"

Dr. Joan L. Ulliot, author and top marathoner, will trace the history of recreational sports and analyze the talents and/or handicaps of women in sports. *These three lectures will be offered free of charge in Morrison Auditorium.*

A Fitness Workshop

For athletes and those who want to "shape-up!"

Saturday, August 18

10:00 a.m. - 3:00 p.m.

Morrison Auditorium \$15 admission

Ronda Gates, owner of Systems Fitness; Marilyn King, founder of Beyond Sports and an Olympic Pentathlete; and Drs. Richard Blake and Jane Denton of the Center for Sports Medicine at St. Francis Hospital will explore topics from the principles of exercise and the essential "mental skills" for athletes through last minute advice for marathoners.

For further information and a reservation form for the Fitness Workshop call 221-5100, ext. 211.

Adult Education And Travel

A Matter of Gravity

August 7-21 (3 Tuesdays)

7:00 - 9:00 p.m.

Optional field trip: August 23

Instructor: Dr. Walt Terris, Astronomer

Cost: \$20 members, \$25 non-members

What weird things happen when stars collapse? How does matter bend space? Will the universe fly apart or will the galaxies crush in upon themselves and form the ultimate blackhole? We will ponder all this and more when we grapple with gravity. An optional field trip will look at the most recent research in gravity.

The Geology of Point Reyes

Sunday, August 12

9:00 a.m. - 5:00 p.m.

Leaders: Dr. Peter Rodda, Geologist

Jean de Mouthe, Geologist

Cost: \$16 members, \$21 non-members

Journey by bus to a land in motion, the Point Reyes Peninsula. We will study a wide variety of geologic and geomorphic features along the active San Andreas Fault. As we cross from the North American onto the Pacific Plate, this geographically unique peninsula will be our classroom.

Channel Islands for Scuba Divers

September 24-27

This trip leaves Santa Barbara at midnight on Sunday and heads out to San Nicolas Island, the most pristine of the Channel Islands. We'll also visit Santa Cruz, Santa Rosa, and Anacapa Islands.

Participants must be certified divers and should have been diving within the last year. The cost is \$400 for members and \$430 for non-members. Price does not include transportation to Santa Barbara.

Academy Expeditions, 1984

Galapagos Islands

July 26 - August 11

Peru - An Optional Extension

August 11 - 19

Ecuador, a cruise through the Galapagos Islands aboard the *M.V. Buccaneer* and an optional tour to Peru and to Machu Picchu are the exotic destinations of this trip led by Dr. Frank Almeda. Cost for Galapagos is \$1987 for land/cruise and \$806 for air. Cost for extension is \$892 for land and \$238 for air. For information, call Siemer & Hand Travel at (415) 788-7186.

Killer Whales and Totem Poles

August 6 - 17

Fly to Vancouver B.C. and then to Vancouver Island to board a luxurious new 68-foot sailboat and begin your explorations of the great Northwest. Members will cruise through the narrow ocean channels from Johnstone Strait to Robson Bight. During the month of August there should be killer whales, Dall porpoises, and Minke whales. There will be time to explore abandoned Indian villages along the shoreline. Trip ends with a night in Victoria at the famed Empress Hotel. Tour to be led by Jacqueline Schonewald of the Department of Birds and Mammals. Cost is \$1635 for the boat trip and \$198 round-trip air. For information call the Academy Travel Office at (415) 221-5100.

A SPECIAL TRAVEL OPPORTUNITY!

China: 7,000 Years of Discovery

August 17 - 19

China is now in Seattle! Academy members are invited to travel to visit the exciting exhibition, China: 7,000 Years of Discovery at the Pacific Science Center in Seattle.

The Chinese invented the world's first navigational compass, the first movable type, the first seismograph and the first paper . . . including paper money. Prepare to explore the surprising world of ancient China and see demonstrations by artisans from the People's Republic. Other highlights will be a cruise to Victoria aboard the *Princess Marguerite* and visits to the Seattle Art Museum and the Boeing Plant.

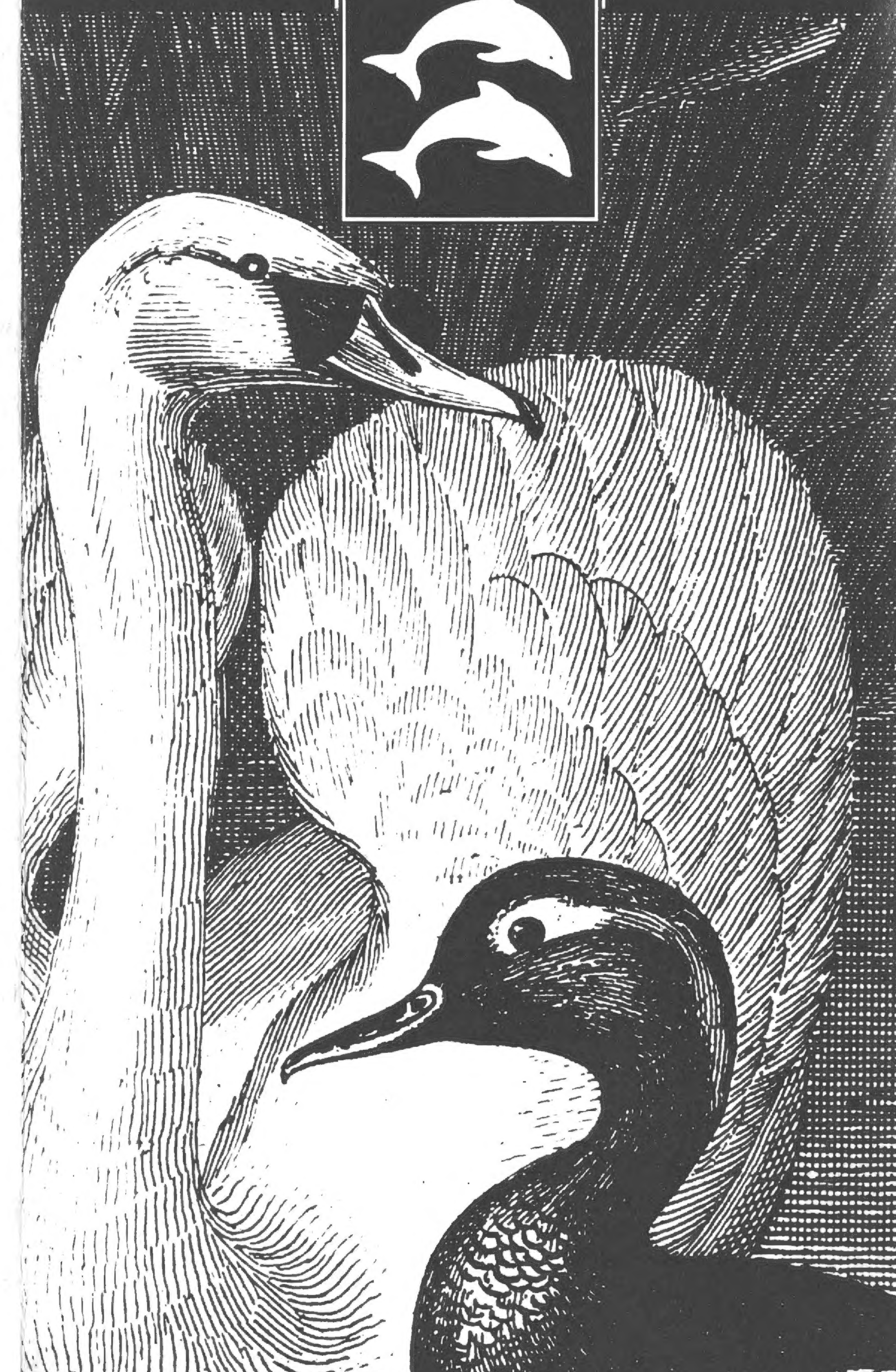
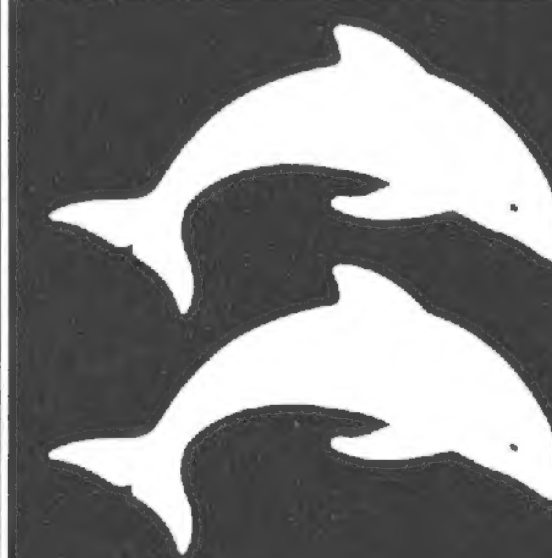
Costs for land and cruise are \$360. Round trip air fare is \$264. For information call Bryan International Travel at (415) 986-0967.

Alaska

September 11 - 22

Academy Fellow, Dr. Ian McTaggart-Cowan will lead Academy members on this most unique exploration of southeastern Alaska. The *M.V. Majestic Alaska Explorer* will sail into remote coves and bays along the Alaskan shoreline offering wonderful opportunities to view wildlife including black and brown bears, mountain goats, Sitka black-tailed deer, puffins, geese and bald eagles. In the sea, Stellar sea lions, otters, harbor seals, Dall porpoise and humpback whales cavort around our comfortable boat. Costs are \$2550 to \$3750 plus air fare. For information call the Academy Travel Office at (415) 221-4214.

Natural History
Museum
& Aquarium



NEWSLETTER

July 1984

California Academy of Sciences



Open every day of the year
from 10 until 5

Golden Gate Park
San Francisco, California 94118-9961
(415) 221-5100

Papua New Guinea and the Islands of the Solomon Seas

September 19 - October 10

Three distinct and equally fascinating areas will be visited on this special tour. Under the leadership of Dr. Luis Baptista, Academy members will explore the Highlands of New Guinea, an area that remained undiscovered by the outside world until the 1930's (See July Members' Meetings.) Members will then board the *M.V. Melanesian Explorer* to travel from the middle Sepik River to the sea, stopping at the many villages along the banks of the Sepik. The trip concludes with visits to the pristine Trobriand Island group and the Siassi Islands. Marine biologist, Hugh Sweatman, will lecture on the coral reefs and sea life in this exquisite tropical environment. Costs are \$4453 for land/cruise/charter air arrangements and \$1790 for air fare. For information call the Academy Travel Office at (415) 221-4214.

Flight Through Fantasia

October 7 - 19

The magnificence of America's southwest is the focus of this tour which is limited to 15 participants. Methods of transportation will vary from comfortable four-wheel drive vehicles to charter aircraft for soaring over the desert and through canyons. Rubber rafts will take us on quiet floats down the San Juan River. Highlights will include the Grand Canyon, Canyon de Chelly, Mesa Verde, Monument Valley and Canyonlands National Park. Cost is \$2400 plus air fare from San Francisco. For information, call the Academy Travel Office at (415) 221-4214.

Japan: Old and New

October 7 - 28

Japan is a special blend of tradition and high-paced technological change. To acquire a deeper understanding of Japan one must look at both the old and the new. This special tour, led by Mr. John Inamoto, retired Chairman of the Asian Art Museum, will focus on Japan's ancient treasures; the temples and shrines of Nikko, Ise, Nara and Kyoto, and Japan's natural treasures including the harmonious beauty of Lake Chuzenji and Nara Park. On a contemporary note the tour includes visits to the Canon Camera Factory and Fujitsu Computer Laboratories in Kawasaki. Costs for this tour are \$2750 plus air fare. For information and a brochure, please call Bryan International Travel at (415) 986-0967.

Time Dated Material

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